

Python Bootcamp for Business Grads

Learn Python as your first programming language

Increasingly businesses are reliant on managing and manipulating data. Excel only takes you so far and the ability to write small scripts to solve problems can improve your efficiency. This course introduces you to coding using the Python programming language.

Length: 5 day workshop

Prerequisites: Workshop participants are required to have administrative rights to their machines to be able to install Python and VS Code.

Topics

- Language fundamentals:
 - Variables
 - Strings
 - Lists
 - Dictionaries
 - Operators
 - Loops
 - Conditionals
 - Exceptions
 - Classes
 - Input and output
- Key parts of the standard library:
 - Data containers (collections)
 - File management (Pathlib, os)
- Third party libraries: using “pip” and virtual environments
- Python and Excel
 - CSV file format
 - OpenPyXL

- Regular Expressions

This is a hands-on workshop devoting more time to students practicing than being lectured. Real-world data problems are used as a basis for introducing programming concepts and ensuring attendees leave with a better understanding of coding and how it can be used in their workplace.